**PATENT** 

Docket No.: 19603/2595 (CRF D-2400)

# IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Hempstead et al.

Examiner:

Serial No.

09/830,520, based on PCT/US99/25365

G. Nickol

Cnfrm. No.:

9715

Art Unit:

Filed

October 28, 1999

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For

METHODS FOR REGULATING

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# INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR §§ 1.97-1.98

U.S. Patent and Trademark Office P.O. Box 2327 Arlington, VA 22202 Box:

Dear Sir:

Pursuant to 37 CFR §§ 1.97-1.98, applicants hereby bring to the attention of the United States Patent and Trademark Office, the enclosed references listed on the attached PTO-1449 form. The pertinence of some of these references is indicated in the International Search Report (copy enclosed) for the corresponding PCT application.

Pursuant to 37 CFR § 1.17(p) and 37 CFR § 1.97(c), applicants hereby enclose a check in the amount of \$180.00. The Commissioner is authorized to charge any additional fees or credit any overpayment to Deposit Account No. 14-1138.

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Respectfully submitted.

Date: Clpn 11, 2003

Georgia Evans

Registration No. 44,597

NIXON PEABODY LLP

Clinton Square, P.O. Box 31051 Rochester, New York 14603-1051

Telephone: (585) 263-1672

Facsimile: (585) 263-1600

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#### U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCESS P THE APPRO
	1	4,119,618	10/10/1978	Said		CENTER 1
	2	5,180,820	01/19/1993	Barde et al.		A 168
	3	5,229,500	07/20/1993	'Barde et al.		1600/2900
	4	5,235,043	08/10/1993	Collins et al.		290
	5	5,338,840	08/16/1994	Bayne et al.		6
	6	5,401,832	03/28/1995	Linemeyer et al.		
	7	5,438,121	08/01/1995	Barde et al.		
	8	5,453,361	09/26/1995	Yancopoulos et al.		

#### FOREIGN PATENT DOCUMENTS

-		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANS- LATION IF APPRO- PRIATE
	9	WO 95/21193	08/10/1995	WIPO			
	10	WO 96/33731	10/31/1996	WIPO			
	11	WO 97/21732	06/19/1997	WIPO			

## OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)

12	Oikawa et al., "Inhibition of Angiogenesis by Staurosporine,	A Potent Protein Kinase Inhibitor," The Journal of Antibiotics,
	45(7):1155-1160 (1992)	
13	Hardie, eds. The Protein Kinase Factsbook II: Protein-Tyrosi	ne Kinases, London: Academic Press, pp. 208-217 (1995)
14	Hempstead, "Strategies for Modulating Trk Receptor Activity	," Experimental Neurology, 124:31-36 (1993)
15	Hempstead et al., "Brain Derived Neurotropic Factor Induces	Angiogenesis: Role in Intramyocardial Vessel Development,"
	Blood, 92(10) Suppl. 1 Part 1-2:175A, 40th Annual Meeting of	f Am. Soc. Hematol. (1998) (abstract only)
16	1	
		DATE CONSIDERED
	13	Hardie, eds. The Protein Kinase Factsbook II: Protein-Tyrosi      Hempstead, "Strategies for Modulating Trk Receptor Activity      Hempstead et al., "Brain Derived Neurotropic Factor Induces     Blood, 92(10) Suppl. 1 Part 1-2:175A, 40 <sup>th</sup> Annual Meeting or

considered. Include copy of this form with next communication to applicant.

#### Sheet 2 of 9 U.S. DEPARTMENT OF COMMERCE ATTY. DOCKET NO. PATENT AND TRADEMARK OFFICE SERIAL NO. 19603/2595 INFORMATION DISCLOSURE 09/830,520 STATEMENT BY APPLICANT APPLICANT Hempstead et al. (use several sheets if necessary) FILING DATE GROUP ART UNE (PTO-1449) October 28, 1999 1642

#### U.S. PATENT DOCUMENTS

EXAMINER							$\sim$
INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLA 2900	DATE IF
	<del> </del>					8	APPRO- PRIATE
	17	5,488,099	01/30/1996	Persson et al.			
	18	5,512,661	04/30/1996	Shooter et al.			
	19	5,534,615	07/09/1996	Baker et al.	<u> </u>		
	20	5,654,427	08/05/1997	Dionne et al.			
	21	5,665,862	09/09/1997	Fischbach et al.			
	22	5,672,683	09/30/1997	Friden et al.			
	23	5,712,395	01/27/1998	App et al.			

### FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANS- LATION IF APPRO-
24	WO 98/32859	07/30/1998	WIPO			PRIATE
25	WO 00/10552	03/02/2000	WIPO			
26	WO 99/06073	02/11/1999	WIPO			Abstract

# OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)

ļ	27	Donovan et al., "Neurotrophin and Neurotrophin Receptors in Vascular Smooth Muscle Cells," American Journal of Pathology,					
		147(2):309-324 (1995)					
	28	Witzke et al., "Myocardial Ultrastructural Changes Induced by Administration of Nerve Growth Factor," in Gardner, ed.,					
		Surgical Forum, Vol. XXVII, Chicago, Illinois: American College of Surgeons, pp. 295-297 (1976)					
	29	Kaye et al., "Nerve Growth Factor-Enhanced Reinnervation of Surgically Denervated Canine Heart," Am. J. Physiol.,					
		236(4):H624-H628 (1979)					
	30	Long et al., "Trophic Factors for Cardiac Myocytes," Journal of Hypertension, 8 (suppl 7):S219-S224 (1990)					
	31	Santos et al., "Nerve Growth Factor: Increased Angiogenesis Without Improved Nerve Regeneration," Otolaryngol. Head Neck					
		<u>Surg.</u> , 105:12-25 (1991)					
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### U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPRO-
-	32	5,733,727	03/31/1998	Field			PRIATE
	33	5,733,871	03/31/1998	Alps et al.			_ <del>_</del>
	34	5,739,113	04/14/1998	Lee		8	AR E
	35	5,747,655	05/05/1998	Johnson, Jr. et al.		4	- m
-	36	5,750,373	05/12/1998	Garrard et al.		THE THE	2 2
	37	5,763,441	06/09/1998	App et al.		1600	<b>温</b> 面
	38	5,763,584	06/09/1998	Godowski		0 290	

### FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANS- LATION IF APPRO-
39	WO 99/21590	05/06/1999	WIPO			PRIATE
40	WO 98/13071	04/02/1998	WIPO			Abstract
41	WO 98/49300	11/05/1998	WIPO			Abstract

# OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)

	42	Scarisbrick et al., "Coexpression of mRNAs for NGF, BDNF, and NT-3 in the Cardiovascular System of the Pre- and Postnatal
		Rat," J. Neurosci., 13(3):875-893 (1993)
	43	Tsukahara et al., "The Role of Brain-Derived Neurotrophic Factor in Transient Forebrain Ischemia in the Rat Brain,"
		<u>Neurosurgery</u> , 34:323-331 (1994)
	44	Hassankhani et al., "Overexpression of NGF Within the Heart of Transgenic Mice Causes Hyperinnervation, Cardiac
		Enlargement, and Hyperplasia of Ectopic Cells," <u>Development Biology</u> , 169:309-321 (1995)
	45	Andrade-Rozental et al., "Characterization of Two Populations of Ectopic Cells Isolated from the Hearts of NGF Transgenic
		Mice," Developmental Biology, 169:533-546 (1995)
	46	Milner et al., "Nerve Growth Factor Treatment of Adult Rats Selectively Enhances Innervation of Urinogenital Tract Rather
		Than Vascular Smooth Muscle, Int. J. Devl. Neuroscience, 13(5):393-401 (1995)
EXAMINER		DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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	47	5,770,577	06/23/1998		Kinstler et al.				
	48	5,817,471	10/06/1998		Kaplan et al.				
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	49	WO 99/40945	08/	/19/1999	WIPO			Abstract	
	50	WO 99/50403	10/	/07/1999	WIPO			Abstract	
	51	WO 99/26480	06/	/03/1999	WIPO			Abstract	
		OTHER	DOCUMENTS	(including	Author, Title, Date, Pertinent P	ages, Etc.)			
	52	Lam et al., "Incre	ased Nerve Grov	wth Factor I	Inducible-A Gene and C-FOS Mes	senger RNA Level	s in the Rat Midbr	ain and	_
	İ	1			r Pomonos to Electrical Ct		o m the rat what	ani and	

	52	Lam et al., "Increased Nerve Growth Factor Inducible-A Gene and C-FOS Messenger RNA Levels in the Rat Midbrain and					
		Hindbrain Associated with the Cardiovascular Response to Electrical Stimulation of the Mesencephalic Cuneiform Nucleus,"					
		Neuroscience, 71(1):193-211 (1996)					
	53	Donovan et al., "Identification of an Essential Nonneuronal Function of Neurotrophin 3 in Mammalian Cardiac Development,"					
		Nature Genetics, 14:210-213 (1996)					
	54	Chan et al., "Neurotrophin-4/5 Treatment Reduces Infarct Size in Rats with Middle Cerebral Artery Occlusion,"					
		Neurochemical Research, 21(7):763-767 (1996)					
	55	Abe et al., "Protective Role of Nerve Growth Factor Against Postischemic Dysfunction of Sympathetic Coronary Innervation,"					
		<u>Circulation</u> , 95:213-220 (1997)					
	56	Hempstead et al., "Brain Derived Neurotrophic Factor is Required for the Formation of the Atrial Septum and Coronary					
		Angiogenesis," Molecular Biology of the Cardiovascular System, Keystone Symposia, Abstract 119 (1998) (abstract only)					
EXAMINER	-	DATE CONSIDERED					

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	57				s an Endothelial Cell Survival	Factor Required for	Intramyocardial V	essel		
	58	Stabilization," D								
	30	Development "	Call 76 000 000	on of the BDNF	Gene Perturbs Brain and Senso	ory Neuron Develop	ment but Not Moto	r Neuron		
	59	Development," (								
		Limois et al., IV		rain-Derived Me	urotrophic Factor Develop Wit	th Sensory Deficits,'	' Nature, 368:147-	150 (1994)		
	60	Hiltunen et al "	Expression of n	nDN Ac for Nove	otrophins and Their Receptors					
		939 (1996)	Heart," Circ. Res.,	79:930-						
	61	Leibrock et al., "Molecular Cloning and Expression of Brain-Derived Neurotrophic Factor," Nature, 341:149-152 (1989)								
		,		S and Express	of Diani-Derived Neurotro	puic ractor," Nature	2, 341:149-152 (19	89)		
	62	Rayburn et al., "I	Histologic Exan	nination of the Pl	lacenta in the Growth-Retarded	Fetus " A I P		(1000)		
		(abstract only)	J		m the Growth-Retarded	retus, Am. J. Pen	<u>matol.</u> , 6(1):58-61 (	(1989)		
	63	Erickson et al., "Mice Lacking Brain-Derived Neurotrophic Factor Exhibit Visceral Sensory Neuron Losses Distinct from								
					al Deficit in Control of Breath					
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	64	Kobayashi et al.	, "BDNF and	NT-4/5 Prevent	Atrophy of Rat Rubrospinal Neu	rons after Cervical	Axotomy, Stimula	ate GAP-43	S-N D-
					mote Axonal Regeneration," J. N				
	65				the Neurotrophin Family," Neu			(1996)	
							3	(1770)	
	66	Wang et al., "Lo	calized Synap	ptic Actions of Ne	eurotrophin-4," J. Neurosci., 18(	13):4985-4992 (199	8)		<u> </u>
	67	Ilag et al., "Pan-l	Neurotrophin	1: A Genetically	Engineered Neurotrophic Facto	or Displaying Multip	le Specificities in	Peripheral	
					. Sci. USA, 92(2):607-611 (199:			-	
	68	Urfer et al., "Spe	cificity Deter	minants in Neuro	trophin-3 and Design of Nerve (	Growth Factor-Bases	d trkC Agonists b	y Changing	
	_	Central Beta-Strand Bundle Residues to Their Neurotrophin-3 Analogs," <u>Biochemistry</u> , 36(16):4775-4781 (1997) (al							
	69	Boeshore et al., "TrkB Isoforms with Distinct Neurotrophin Specificities are Expressed in Predominantly Nonoverlappi							
					ırons," J. Neurosci., 19(12):473				
	70	Chalazonitis, "Ne	eurotrophin-3	as an Essential Si	gnal for the Developing Nervou	is System," Molecul	ar Neurobiology,	12:39-53	
		(1996)							
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	61	Cardiovascular	Disorders, pp	). 141, 437-438, 9	974, 1654-1655, 1658-1659; 1784	4-1785 (date unknow	vn)			
	72	Rinder et al., "	Calcutive Inhi	**** of Kindling	Later ventricule	a	P.			
	'-			bition of Kindling 38 (1999) (abstract	g Development by Intraventricula	ir Administration or	TrkB Receptor Bo	idy,"		
	73					2 200				
	/-				letins in Astrocytomas Identifies	Angiopoletin-2 as as	n Early Marker of	Tumor		
	74				(1999) (abstract only)					
	15		Holash et al., "New Model of Tumor Angiogenesis: Dynamic Balance Between Vessel Regression and Growth Mediated by Angiopoietins and VEGF," Oncogene, 18(38):5356-5362 (1999) (abstract only)							
	75									
	10	1			Tie-2 Participate in the Regulation 58(3)-224 237 (1990) (abstract		2 Tubule Formation	n and		
	76				s., 58(3):224-237 (1999) (abstract			·		
	"	only)	flerenuai C	ization of HK Au	utophosphorylation Sites," J. Biol	1. Chem., 271(33):20	)175-20181 (1996)	) (abstract		
	77	<del>                                     </del>	izatio	· C	No.					
	1"	(1994) (abstract		ı and Crystamzau	ion of Recombinant Human Neur	rotrophin-4," J. Bioi	. Chem., 269(1): /ɔ	55-759		
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	78	Ibanez et al., ")	Neurotrophin	-4 is a Target-Deriv	ved Neurotrophic Factor for Neu	urons of the Trigemi	inal Ganglion,"				
		1		1353 (1993) (abstrac							
	79	Ip et al., "Mam	malian Neuro	strophin-4: Structur	re, Chromosomal Localization,	Tissue Distribution,	, and Receptor Spe	cificity,"			
		1			1992) (abstract only)						
	80	Hallbook et al.,	"Evolutionar	y Studies of the Ne	erve Growth Factor Family Reve	eal a Novel Member	r Abundantly Expr	essed in			
		1		(5):845-858 (1991) (							
	81				d Growth in Tumors Mediated b	oy Angiopoietins and	d VEGF, Science,				
	'	1	(84:1994-1998 (1999)								
	82	Papapetropoulos	s et al., "Dire	ct Actions of Angic	opoietin-1 on Human Endotheliu	um: Evidence for N	letwork Stabilization	on Cell			
	!										
	83	1	Survival, and Interaction with Other Angiogenic Growth Factors," <u>Laboratory Investigation</u> , 79(2):213-223 (1999)  Hempstead et al., "Brain Derived Neurotrophic Factor is Required for the Formulation of the Atrial Septum and Coronary								
			Angiogenesis," Weinstein Cardiovascular Development Conference, Vanderbilt University, Nashville, TN, E20 (May 28-30,								
	I	1 .	1998) (abstract only)								
	84			endent Mechanisms	s Essential for Tumor Angiogen	necie: Inhihition of I	Thomas Melanoma	V			
					Endothelial Growth Factor Rece			Xenogran			
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	85				1 Tie2 in Human Choroidal	Neovascular Memi	branes," Invest. Ophthal	mol.	
	-			1999) (abstract onl					
	86	Goede et al., "An	alysis of B	lood Vessel Matur	ation Processes During Cyc	lic Ovarian Angiog	genesis," Lab. Invest.,		
		78(11):1385-1394							
	87	Mack et al., "Biol	logic Bypas	s with the Use of	Adenovirus-Mediated Gene	Transfer of the Co	mplementary Deoxyrib	onucleic	
		Acid for Vascular	Endothelia	al Growth Factor 1	21 Improves Myocardial Pe	erfusion and Function	on in the Ischemic Porci	ine Heart,"	
		J. Thorac. Cardio	vasc. Surg.,	, 115(1):168-176 (	1998) (abstract only)				
	88	Magovern et al., "	Deficient Adenovirus Ver	ctor,"					
	4-1			5-433 (1996) (abst					
	89				lothelial Growth Factor for	Inoperable Coronar	ry Artery Disease,"		
		Ann. Thorac. Surg							
	90	Losordo et al., "Go	ene Therapy	y for Myocardial A	Angiogenesis," Am. Heart J.	, 138(2 Pt. 2):132-	141 (1999) (abstract onl	y)	
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	91	Losordo et al., "Ge			angiogenesis: Initial Clinica			of	
MINER			le Therapy	for Myocardial Iso	chemia," Circulation, 98(25	):2800-2804 (1996	) (abstract only)		

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